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| EFS ID:                              | 4154391   |  |  |  |
| Application Number:                  | 10534996  |  |  |  |
| International Application Number:    |   |  |  |  |
| Confirmation Number:                 | 2000  |  |  |  |
| Title of Invention:                  | Memory based devcie and method for channel estimation in a digital communication receiver |  |  |  |
| First Named Inventor/Applicant Name: | Donato Ettorre  |  |  |  |
| Customer Number:                     | 00535   |  |  |  |
| Filer:                               | Andrew Wilford  |  |  |  |
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| Application Type:                    | U.S. National Stage under 35 USC 371  |  |  |  |

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| Document<br>Number | Document Description       | File Name                                    | File Size(Bytes)/<br>Message Digest | Multi<br>Part /.zip | Pages<br>(if appl.) |
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| 1                  |                            | 23284AM2.pdf                                 | 63516                               | yes                 | 12                  |
|                    | 2320 <del>4</del> /(W2.pu) | 119ddc41ba9abf1172a1df6050a5cfdbb260<br>f1d5 | '                                   |                     |                     |

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|   | Applicant Arguments/Remarks Made in an Amendment      |                              | 11   | 12   |   |
| Warnings:                                   | -   |                              | 1  |      |   |
| Information                                 |   |                              |  |      |   |
| A 15 ct                                     | Application Data Sheet                                | 23284 App Dat Sht 2.pdf      | 38939  | no.  | 2 |
| 2   | Application Data Sneet                                |                              | 46052b22603d45da27fd5af7aaaab894d38<br>c12d6 | no   |   |
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| This is not an U                            | ISPTO supplied ADS fillable form                      |                              |  |      |   |
| Drawings-only black and white line drawings | 23284DWG.pdf  | 565211                       | no   | 5    |   |
|   | drawings  |                              | 5ca53b5e1c3b8cd80b0f98e0b38a4dc7e08f<br>bfe2 |      | - |
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### New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

#### National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

#### New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.